

LAKE MACQUARIE YACHT CLUB (LMYC) WINDWARRIOR FLEET

BY-LAWS as at 1/9/2023

1. OBJECTS
 - 1.1 The group is to be known as 'The LAKE MACQUARIE YACHT CLUB WINDWARRIOR FLEET'.
 - Such other Office Bearers as may be required from time to time.
 - 1.2 The Fleet is formed for the purposes of;
 - Promoting the racing of Wind Warrior radio controlled yachts
 - Encouraging participation and fellowship
 - Servicing a special interest group of Lake Macquarie Yacht Club members
 - Promoting the class.
2. MEMBERSHIP
 - 2.1 A member of the Fleet shall be an owner/charterer of a Wind Warrior class radio controlled yacht and be at least a Social Member of the Lake Macquarie Yacht Club.
3. FEES
 - 3.1 Race fees shall be stated in the Fleet Sailing Instructions per race day or such other sum as may be determined from time to time irrespective of the number of races conducted or competed in on the day.
 - 3.2 There will be no refund of race fees.
 - 3.3 A prospective member shall be entitled to race on 3 race days and thereafter shall join the Fleet and Lake Macquarie Yacht Club.
 - 3.4 Members are encouraged as members of LMYC to become members of the AS insurance membership scheme for cover against personal accident or injury.
4. OFFICE BEARERS
 - 4.1 Following the inaugural meeting the following Officers shall be elected annually by financial members of the Fleet;
 - Principal Race Officer (PRO)
- 4.2 The PRO shall be the senior office bearer and shall be the Chairman of all meetings and Committees.
5. CONDUCT
 - 5.1 A Member of the Fleet shall comply with the Rules, Regulations and By-laws as applicable of the LMYC and shall ensure that a visiting helmsman do likewise.
 - 5.2 Inappropriate language, swearing, overtly and unnecessary aggressive behaviour and personal confrontation when racing shall not be permitted. A helmsman who is warned by the PRO on 3 occasions may be suspended from racing until the next meeting of the Fleet. At that meeting the status of the member shall be reviewed.
6. RACING RULES
 - 6.1 A member shall comply with the Racing Rules and the Sailing Instructions of the Fleet.
 - 6.2 A member shall sail using the principles of Fairness and Sportsmanship and will immediately take a racing penalty when the member knows s/he has infringed a rule.
7. CHANGE OF BY-LAWS
 - 7.1 The By-Laws may be changed, added to, varied or deleted by a 75% majority vote of those present at a meeting called for the purpose provided 14 days notice has been circulated to the Fleet members.
8. COMPLIANCE
 - 8.1 By becoming a member of the Fleet and paying race fees a member agrees to comply with these By-Laws.

LMYC WINDWARRIOR CLASS RULES effective from 1st SEPTEMBER 2023.

INTENT

- 1.1 The purpose of these Class Rules is to ensure one design fair and equitable racing at a reasonable cost of the Class as manufactured.

2 HULL APPLYING TO G2 AND G3 DESIGNS

- 2.1 The Hull shall be to the specifications and as supplied by Wind Warrior Yachts New Zealand (the Manufacturer) and shall be,

- Overall length 670mm
- Beam 235mm
- Draft 260mm
- Displacement 1750 gms
- Ballast 0900 gms
- GRP construction
- Rudder Depth 160mm

- 2.2 Changes shall not be made to the displacement weight, hull or underwater appendages.

- 2.3 Additional fairings shall not be permitted.

- 2.4 The keel and rudder shapes shall not be altered except the trailing edges may be fined provided keel and rudder profiles remain as supplied by the Manufacturer.

3 SPARS and RIGGING

- 3.1 The mast shall be,

- Tapered aluminium
- Height 870mm
- Overall height 1220mm

To the specifications and as supplied by the Manufacturer.

- 3.2 Mainsail boom shall be constructed and attached, as per the specifications and as supplied by the Manufacturer and

- Outhaul, 3 positions only
- Shall not contain lightening holes

- 3.3 Mast Spreaders shall be, positioned as per the specifications and as supplied by the manufacturer.

Angle of sweep back may be adjusted.

Spreader bases may be reinforced to the mast with epoxy glue.

- 3.3 Headsail boom and its attachment to the deck and control lines shall be as per specifications and as supplied by the manufacturer and shall be ,

- Replacement Tack attachment ring diameter not to exceed 010mm

- 3.4 Mast Rake may be adjusted.

- 3.5 Forestay and cap shroud lengths shall not be altered. Cap shrouds shall be of equal length.

- 3.6 Forestay and Cap shroud mast attachment point shall not be altered.

- 3.7 Mast shroud deck attachment points shall not be altered.

4 SAILS

- 4.1 Sails shall not be lighter than 0.5 ounce Polyester and shall be of white colour.
- 4.2 Equipment repairs and replacements of a minor nature may be made by the Owner.
- 4.3 Exotics shall not be permitted' e.g., Kevlar.
- 4.4 A boat may use 3 sails being a jib and either a light weather mainsail (square top) or regular mainsail.
- 4.5 Non Manufacturer's replacement sails are permitted when the original sails supplied are damaged or need major repair.

STANDARD MAINSAIL

- 4.6.1 The standard Mainsail dimensions and shape shall be,

- Luff 790mm
- Foot 256mm
- Roach not exceeding 045mm.

SQUARE TOP MAINSAIL

- Square top Mainsails as per the Manufacturer's specifications.
- 4.6.2 Mainsails shall display the Class insignia and registration number issued by the Manufacturer. The Mainsail number shall not be changed.
 - 4.6.3 Sail numbers and insignia shall be obtained from the Race Committee.
 - 4.6.4 Replacement sails may display the Class Insignia and shall display the registration number.

PLACEMENT

Class insignia shall be placed on the starboard side of the mainsail 280mm from the head.

Sail Numbers shall be placed on the starboard side of the mainsail 345mm from the head

SIZE
Class insignia shall be 37mm high and the downstroke of the W 10mm thick and the upstroke of the W 05mm thick.

Sail Numbers shall be 35mm high and 06mm thick

- 4.7.1 The Headsails, dimensions and shape shall be,

- Luff 670mm
- Foot 230mm
- LPG 205mm

- 4.7.2 Headsails shall display the last two numbers of the registration number.
- 4.7.3 The numbers shall be placed on both the port (lower) and starboard (higher) sides of the headsail.
- 4.7.4 The numbers shall be texted on in dark colours, 75mm high and 16-20mm thick.
- 4.8 Sails of dimensions smaller or larger than permitted by Class Rules 4.4, 4.6.1 and 4.7 are not permitted. Refer Class Rule 4.4 above.

5. BATTERIES

- 5.1 On board batteries shall be similar to 4x AA cell batteries with no weight restriction.
- 5.2 All batteries shall be placed in the in-built battery pack compartment when racing, the forward edge of the compartment shall be 095 mm aft of the mast tack.

6 COUNTERWEIGHTS

- 6.1 Additional internal ballast shall not be added, or supplied displacement weight reduced.
- 6.2 Counterweights to bring a boat up to minimum weight, refer Class Rule 2.1 above, shall be positioned on the centreline of the boat in the bilge immediately in front of the forward servo motor housing for G2 designs and forward of the servo box for G3 designs. Once positioned counterweights shall not be moved from the designated position.

7 DISPUTES

7.1 Disputes as to Class measurements and compliance will be resolved by the Race Committee on advice from the manufacturer where appropriate.

8. EXCLUSIONS

8.1 All changes, modifications or variations from standard manufactured boats are prohibited unless expressly permitted by these rules.

9.0 ALTERATIONS

9.1 These Class rules may be changed, modified or added to as the need and experience arises provided the proposed changes are passed by a 75% majority of the Members present and voting at a meeting of which not less than 14 days notice has been given. Such changes as refer to dimensions and measurements shall be provisional and shall not come into force unless and until they are confirmed as acceptable by the Manufacturer.

10 ADVERTISING

10.1 Advertising may be carried and if carried shall comply as follows,

- Mainsail, only 1 advertisement on both sides each not exceeding 45% of the sail area of the side affixed.
- Hull, only 1 advertisement which maybe on both sides and may be different from the mainsail advertisement and the area of the advertisement shall not exceed 50% of the area of the side of the hull.
- Spars unlimited
- Keels from the hull attachment point to the bulb unlimited.
- Advertising not to conflict with fleet sponsorship.

11 TOLERANCES

11.1 Variations of measurements due wear and tear or within 001mm are allowable.

12 DRY WEIGHT.

12.1 The all up dry weight of the hull, appendages, hatch cover, Mast, rigging, mainsail and headsail and internal equipment (but excluding batteries) if less than 1740 gms, corrector weights shall be fitted at the direction of the Race Committee. Attention is drawn to Class Rule 6.2.

13.0 RACING DIVISIONS

13.1 Unless otherwise determined racing shall for G2 and G3 designs and shall be in one Division.

14.0 POINTSCORES

14.1 There shall be four seasonal point scores and an overall Annual point score conducted.

14.2 Three (3) race shall be completed on a Competition Day to constitute scores for pointscores except for the Orrell Cup which shall be two (2) races.

14.3 Results for Annual on Scratch, Performance, Annual 'Gun Boat' and Annual Pursuit races will be award as follows;

- 1st on Scratch Annual Pointscore
- 1st, on Performance Annual Pointscore
- 1st for Annual 'Gun Boat, and,
- 1st for The Orrell Cup for Pursuit races.

14.4 Performance results shall be determined as follows;

- The average scratch score of the Division shall be calculated.
 - A boat which is placed 1st, 2nd or 3rd on Performance shall have their scratch score adjust downwards by a penalty of 30%,20% and 10% respectively.
 - A boat's adjusted scratch score shall be divided into the Division average scratch score to produce the boat's performance factor.
 - A boat's race performance factor for the next race shall be the average of its performance factors in the previous 4 race days with the lowest Performance Factor discarded.
 - A boat's total adjust scratch score shall be multiplied by its race performance factor to produce its corrected performance score.
 - The boat with the lowest corrected performance score shall be scored 1st the next lowest 2nd and so on.
 - A boat shall not have a performance factor of less than .500. At the discretion of the Race Committee lower limits on Performance Factors may also be set for a boat. This limit maybe reviewed from time to time.
 - A minimum of 3 boats completing three races on the day shall constitute pointscore races.
- 14.4 The Orrell Cup for Pursuit races shall be conducted as follows;
- On the first and third race day of the Month the first 3 races of the day shall be scored for the Pursuit results. The remaining races shall be scored to the Seasonal and Annual pointscores.
 - There shall be 24 monthly race days for the The Orrell Cup
 - Starting procedure and start times shall be set out in the Fleet Sailing Instructions.
- 14.5 Discards for Seasonal, Annual and the Orrell Cup are stated in the current Sailing Instructions.
15. COMPETITION DAYS
- 15.1 Competition racing shall be held on those days specified in the Sailing Instructions.